

COMPOSITIONS AND PRODUCTS CONTAINING S-EQUOL, AND METHODS
FOR THEIR MAKING

Abstract

[0166] A composition for use in making commercial food and skin products comprising S-equol or mixtures, including both a non-racemic mixture and a racemic mixture, of S-equol and R-equol. The composition can be used to make articles of commerce such as food supplements, pharmaceuticals, and medicaments. The compositions are useful in a method of delivering S-equol to a mammal to prevent or treat a disease or associated condition, including hormone-dependent diseases or conditions such as cardiovascular disease, lipid disorder, osteopenia, osteoporosis, liver disease, and acute ovarian estrogen deficiency. The S-equol enantiomer can be produced in a biological synthesis from the metabolism of an isoflavone by an organism.